

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): A shelter-providing solar tracking assembly comprising:

at least one fixed support structure comprising:

at least one support pillar, said support pillar having a first end connected to a ground surface and extending substantially vertically along a longitudinal axis from said first end to a second end;

a horizontal support beam disposed on said second end of said at least one support pillar, said horizontal support beam having a longitudinal axis substantially perpendicular to said longitudinal axis of said at least one support pillar;

at least one drive assembly disposed on a top of at least one of said support pillars and positioned collinear with said horizontal support beam;

at least one solar power array disposed on said support structure comprising a plurality of solar panels comprising photovoltaic cells, said at least one solar power array moveable on an axis and in communication with said drive assembly to track movement of the sun, said at least one solar power array forming an overhead canopy for at least one item disposed directly beneath said at least one solar power array, and providing electrical power to a building or structure located nearby; and

an inverter to convert energy from direct current to alternating current; and

wherein said at least one support pillar is of sufficient height to permit placement of the at least one item beneath said canopy without obstructing a movement of said at least one solar power array about said axis.

2. (original): The assembly of claim 1 further comprising a back-up generator.

3. (original): The assembly of claim 1 further comprising at least one battery to store generated power.

4. (original): The assembly of claim 1 further comprising at least one electric output connector.

5. (previously presented): The assembly of claim 1 wherein the item comprises at least one vehicle disposed directly beneath said at least one solar power array.

6. (cancelled)

7. (previously presented): The assembly of claim 1 wherein a rotor bearing assembly is disposed at said second end of said at least one support pillar not having disposed thereon said drive assembly.

8. (original): The assembly of claim 1 wherein said at least one solar power array comprises at least two solar power arrays and wherein said at least one support structure comprises at least two support structures.

9. (cancelled)

10. (original): The assembly of claim 8 wherein said at least two support structures are connected to each other longitudinally.

11. (previously presented): The assembly of claim 7 wherein said at least one solar power array comprises at least two solar power arrays, and wherein said at least one support structure comprises at least two support structures and wherein each end of said horizontal support beam of said at least two support structures are connected to said at least one drive assembly or said at least one rotor bearing assembly so that said at least two support structures are linked.

12. (previously presented): The assembly of claim 1 wherein said drive assembly comprises a coupler disposed within a plate disposed on said second end of said at least one support pillar, and said coupler is attached to an end of said horizontal support beam and rotatable within said plate.

13. (previously presented): The assembly of claim 1 wherein the ground surface is parking for vehicles.

14. (previously presented): The assembly of claim 5 comprising a canopy for multiple vehicles.

15. (previously presented): The assembly of claim 1 wherein said canopy is a carport.

16. (previously presented): The assembly of claim 5 wherein the item is a car or truck.

17. (previously presented): The assembly of claim 1 wherein said at least one support pillar is made of concrete.

18. (previously presented): The assembly of claim 1 wherein said at least one drive assembly is attached to one end of said horizontal support beam and disposed at a juncture of said longitudinal axis of said horizontal support beam and said longitudinal axis of at least one of said at least one support pillar.

19. (previously presented): The assembly of claim 1 wherein said at least one solar power array is moveable on a single axis.

20. (previously presented): The assembly of claim 1 wherein said single axis is defined by said longitudinal axis of said horizontal support beam.